

LISTING OF THE CLAIMS

Pending Claims 1-28 are as follows:

1. (Original) An image sensing apparatus comprising:
 - a detection unit for detecting whether or not a stereoscopic compatible optical unit for stereoscopically sensing an optical image is mounted;
 - a signal processing unit for performing signal processing on an image, sensed by an image sensing device, by employing a first signal processing method or a second signal processing method compatible to stereoscopic image sensing, which is different from the first signal processing method; and
 - a control unit for switching from the first signal processing method to the second signal processing method for said signal processing unit when said detection unit detects that the stereoscopic compatible optical unit is mounted.
2. (Original) The image sensing apparatus according to claim 1, wherein said stereoscopic compatible optical unit comprises left and right optical lenses for alternately inputting left and right optical images field by field to the image sensing device.
3. (Original) The image sensing apparatus according to claim 2, wherein in the second signal processing method, said signal processing unit performs signal processing based on the image obtained in every other field.

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4. (Original) The image sensing apparatus according to claim 1, wherein said stereoscopic compatible optical unit comprises left and right optical lenses, and in the second signal processing method of said signal processing unit, signal processing is performed separately for an image from the left optical lens and an image from the right optical lens.

5. (Original) The image sensing apparatus according to claim 1, wherein in the first signal processing method, said signal processing unit performs signal processing based on a temporally adjacent image.

6. (Original) The image sensing apparatus according to claim 1, wherein said signal processing unit includes a compression processing unit for performing compression processing on an image.

7. (Original) The image sensing apparatus according to claim 1, wherein said signal processing unit includes a cyclic-type noise reduction processing unit for reducing noise of an image.

8. (Original) An image sensing system comprising:
a stereoscopic compatible optical unit, capable of being mounted to or removed from an image sensing apparatus main body, for stereoscopically sensing an optical image;

a detection unit for detecting whether or not said stereoscopic compatible optical unit is mounted;

a signal processing unit for performing signal processing on an image, sensed by an image sensing device, by employing a first signal processing method or a second signal processing method compatible to stereoscopic image sensing, which is different from the first signal processing method; and

a control unit for switching from the first signal processing method to the second signal processing method for said signal processing unit when said detection unit detects that the stereoscopic compatible optical unit is mounted.

9. (Original) The image sensing system according to claim 8, wherein said stereoscopic compatible optical unit comprises left and right optical lenses for alternately inputting left and right optical images field by field to the image sensing device.

10. (Original) The image sensing system according to claim 9, wherein in the second signal processing method, said signal processing unit performs signal processing based on the image obtained in every other field.

11. (Original) The image sensing system according to claim 8, wherein said stereoscopic compatible optical unit comprises left and right optical lenses, and in the second signal processing method of said signal processing unit, signal processing is performed separately for an image from the left optical lens and an image from the right optical lens.

12. (Original) The image sensing system according to claim 8, wherein the first signal processing method, said signal processing unit performs signal processing based on a temporally adjacent image.

13. (Original) The image sensing system according to claim 8, wherein said signal processing unit includes a compression processing unit for performing compression processing on an image.

14. (Original) The image sensing system according to claim 8, wherein said signal processing unit includes a cyclic-type noise reduction processing unit for reducing noise of an image.

15. (Original) A signal processing method comprising the steps of:

detecting whether or not a stereoscopic compatible optical unit for stereoscopic sensing an optical image is mounted;

when a detection unit detects that the stereoscopic compatible unit is mounted, switching from a first signal processing method to a second signal processing method for processing an image sensed by an image sensing device; and

performing signal processing on an image, sensed by an image sensing device, by employing the second signal processing method.

16. (Original) The signal processing method according to claim 15, wherein the stereoscopic compatible optical unit comprises left and right optical lenses for alternately inputting left and right optical images field by field to the image sensing device.

17. (Original) The signal processing method according to claim 16, wherein in the second signal processing method, signal processing is performed based on the image obtained in every other field.

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18. (Original) The signal processing method according to claim 15, wherein the stereoscopic compatible optical unit comprises left and right optical lenses, and in the second signal processing method, signal processing is performed separately for an image from the left optical lens and an image from the right optical lens.

19. (Original) The signal processing method according to claim 15, wherein in the first signal processing method, signal processing is performed based on a temporally adjacent image.

20. (Original) The signal processing method according to claim 15, wherein the signal processing method includes an image compression processing method.

21. (Original) The signal processing method according to claim 15, wherein said signal processing method includes a cyclic-type noise reduction processing method for reducing noise of an image.

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22. (Original) A storage medium storing a signal processing method for executing the steps of:

detecting whether or not a stereoscopic compatible optical unit for stereoscopic sensing an optical image is mounted;

when a detection unit detects that the stereoscopic compatible unit is mounted, switching from a first signal processing method to a second signal processing method for processing an image sensed by an image sensing device; and

performing signal processing on an image, sensed by an image sensing device, by employing the second signal processing method.

23. (Original) The storage medium according to claim 22, wherein the stereoscopic compatible optical unit comprises left and right optical lenses for alternately inputting left and right optical images field by field to the image sensing device.

24. (Original) The storage medium according to claim 23, wherein in the second signal processing method, signal processing is performed based on the image obtained in every other field.

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25. (Original) The storage medium according to claim 22, wherein the stereoscopic compatible optical unit comprises left and right optical lenses, and in the second signal processing method, signal processing is performed separately for an image from the left optical lens and an image from the right optical lens.

26. (Original) The storage medium according to claim 22, wherein in the first signal processing method, signal processing is performed based on a temporally adjacent image.

27. (Original) The storage medium according to claim 22, wherein the signal processing method includes an image compression processing method.

28. (Original) The storage medium according to claim 22, wherein the signal processing method includes a cyclic-type noise reduction processing method for reducing noise of an image.